**LOGICAL FRAMEWORK**

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| Project Title: | Sustainable intensification of key farming systems in the Sudan Savannah of West Africa |  | Date: |  |

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|  |  | **Narrative Summary** | **Objectively Verifiable Indicators** | **Means of Verification** | **Important Assumptions** |
| **Development Hypothesis** | **If Purpose, then Goal** | **Goal:** |  |  |  |
| **Project Purpose:** Increased nutritional and economic levels of target populations (women and children) |  |  |  |
| **If Outputs, then Purpose** |
| **Manageable Interest** | Outputs: |  |  |  |
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| **If Inputs, then Outputs** |
| 1. Diagnosis/desk study/compile of key nutritional and food safety issues of the target population | # of nutritional and food safety constraints identified  Degree of malnutrition in the target population | Project reports  Targeted or government health surveys | Partners share reports and databases |
| 1. Capacity building and awareness campaign on nutrition issues for the target population | # persons trained  #radio programs and other appropriate media broadcasts | Project reports, and partner feedback reports | Development partners interested and engaged |
| 1. Increased availability, utilization? and consumption of highly nutritious foods (fruits, vegetables, legumes, meat and milk [protein, vitamins and minerals]) disaggregate? | Diversity of foods used by target population | Food consumption survey  Production statistics  Consumption statistics | Production of target foods increased |
| 1. Evidence based dietary strategies for target population developed, tested and communicated | 4.1.Number of varieties evaluated for their contents of nutrients (iron and pro-vitamin A), anti-nutrients, bioactive compounds and potentially negative factors.  4.2. Number of household-consumed dishes evaluated for nutritional composition  4.3. Recommendations for dietary strategies developed, modified. | Project reports  Reports from government or development agencies | Appriately trained female staffs available |
| 1. Management strategies for reduced mycotoxin, pesticide, and contamination with hazardous materials upscaled in target areas | # development partners engaged in upscaling  Contamination levels in target foods | Project reports  Monitoring of contamination levels in collaboration with regulatory agencies | Partners interested and enagaged  Appropriately y trained research personnel available |
| 1. Diversified rural enterprises for women established (vegetables, fruits, legumes animal products and preprocessed foods) | # Rural resource center established and maintained  # women engaged in enterprises  Diversity of products commercialized | Project reports | Appropriate development partner identified |
| **Inputs (ACTIVITIES):**   * 1. **1.1.**Collect and assess available databases for baseline study   2. Collect information on food consumption and dietary patterns of women and young children   3. Collect data for counterfactual(? M&E?) Include more broadly across project   1.4 Inventory of on-going nutrition related projects in the target areas established  1.5 Analysis of baseline and other data  1.6 Anlayse mycotoxin contamination levels of foods commonly used by target populations (for project)  1.7 Document information on issues related to pesticide and hazardous contaminants |  |  |  |
| 2.1 Develop and test appropriate communication materials and approaches  2.2 Disseminate communication materials to key partners and monitor their use |  |  |  |
| 3.13.1 Facilitate safe production increases of traditional women’s crops, small ruminants and crop diversification especially by women farmers  3.2 Improve storage and safe preservation of targeted food products  3.3 Develop, test and disseminate training materials for food preparation practices for effective local use of new products. |  |  |  |
|  |  | * 1. Document traditional foods and explore ways of modifying food preparation practices to optimize retention of nutrients and improve bioavailability (within scope of project?)   2. Document local food systems and investigate traditional food technologies and improve food preservation and distribution by local entrepreneurs   Link these activities to others doing this work?  4.3 Identify and promote the most productive and nutritious and nutrient dense vegetable crops to boost their production and optimize their unique nutritive properties for food and nutritional security in rural poor households (within scope of project?) |  |  |  |
|  |  | 5.1 Adapt mycotoxin reducing practices to specific conditions  5.2 Large scale communication campaign for reduction of mycotoxins in food products (within scope of project?)  5.3 Promote IPM approaches, and support use of biologicals for pest management  5.4 Develop and disseminate innovative communication materials to enhance safe use of IPM. (within scope of project?)  5.5 Promote appropriate water delivery and soil fertility improvement methods for reduced risk of biological contamination |  |  |  |
|  |  | 6.1 Facilitate women’s access to new markets and possibly to processing and storage technologies  6.2 Establish rural resource centers toenhance women’s capacity for successful enterprise management, including access to credit. (beyond scope of project) |  |  |  |